

Claims

- SubB2)
1. A polyolefin-based laminate film comprising:
- a) a first polyolefin-based resin layer having a surface treated by a discharge treatment method that imparts excellent printability; and
- 5 b) a polyolefin-based mixed resin layer formed on one surface of said first polyolefin-based resin layer opposite of said surface treatment,
- wherein the first polyolefin-based resin layer and the polyolefin-based mixed resin layer optionally contain up to 800 ppm of fatty amides comprising stearamide or erucamide and the polyolefin-based mixed resin layer contains
- 10 a first additive material comprising at least one crosslinked silicone polymer in an amount of about 0.1% - 0.5% by weight of the polyolefin-based mixed resin layer and/or at least one silicone oil in an amount of about 0.02% - 0.2% by weight of the polyolefin-based mixed resin layer, and a second additive material in an amount of about 0.10 - 0.50% by weight of the polyolefin-based mixed resin layer, which comprises at least one amorphous aluminosilicate.
- 15 2. The polyolefin-based laminate film according to claim 1, wherein said first polyolefin-based resin layer has a thickness of about 6 - 40 μm .
- 20 3. The polyolefin-based laminate film according to claim 1 or 2, wherein said first polyolefin-based resin layer consists essentially of polypropylene-based resin.
- 25 4. The polyolefin-based laminate film according to claim 1 or 2, wherein said polyolefin-based mixed resin layer has a thickness of about 0.2 - 5.0 μm .

Sub B2
cont.

5

~~5. The polyolefin-based laminate film according to claim 1 or 2, wherein said polyolefin-based mixed resin layer consists essentially of polypropylene-based resin.~~

10

~~6. The polyolefin-based laminate film according to claim 1, wherein at least one component of said first additive material is a crosslinked silicone resin having a spherical average particle size of 2 - 5 μm , a specific gravity of 1.32 at 25°F, a bulk density of 0.15 - 0.50, and a linseed oil absorption rate of 50 - 90 ml/100g; and/or at least one component of said first additive material is a silicone oil having viscosity of 300 - 400 cSt., specific gravity at 77°F of 0.90 - 0.99, and volatile content of 0.001 - 0.005%.~~

15

~~7. The polyolefin-based laminate film according to claim 1, wherein at least one component of said additive anti-block material is an amorphous sodium calcium aluminosilicate having a particle size of 2 - 5 μm and a bulk density of 0.30 - 0.80 g/cm³ or an amorphous aluminosilicate having a particle size of 2 - 5 μm and a bulk density of 0.10 - 0.30 g/cm³.~~

20

~~8. The polyolefin-based laminate film according to claim 1, wherein at least one component of said second additive material is an amorphous sodium calcium aluminosilicate having a particle size of 2 - 5 μm and a bulk density of 0.30 - 0.80 g/cm³; or an amorphous aluminosilicate having a particle size of 2 - 5 μm and a bulk density of 0.10 - 0.30 g/cm³.~~